



# **GREENSTONE BUILDER & PROJECTS**

**FREE ESTIMATION**  
FOR CIVIL & PEB PROJECT

Civil construction / Pre engineering Building (PEB)

[www.greenstonebuilder.in](http://www.greenstonebuilder.in) / 8056646004

## ABOUT GREENSTONE

Founded in 2020, Greenstone Builders has swiftly established itself as a trusted leader in the civil and steel construction industry. We are proud to be recognized as a “One Step Civil & Steel Solution” company, committed to delivering high-quality, comprehensive services that cater to the diverse needs of our clients.

### MISSION

At Greenstone Builders, our mission is to provide innovative and sustainable construction solutions that exceed our clients' expectations. We aim to build lasting relationships based on trust, quality, and integrity while contributing to the development of the communities we serve.

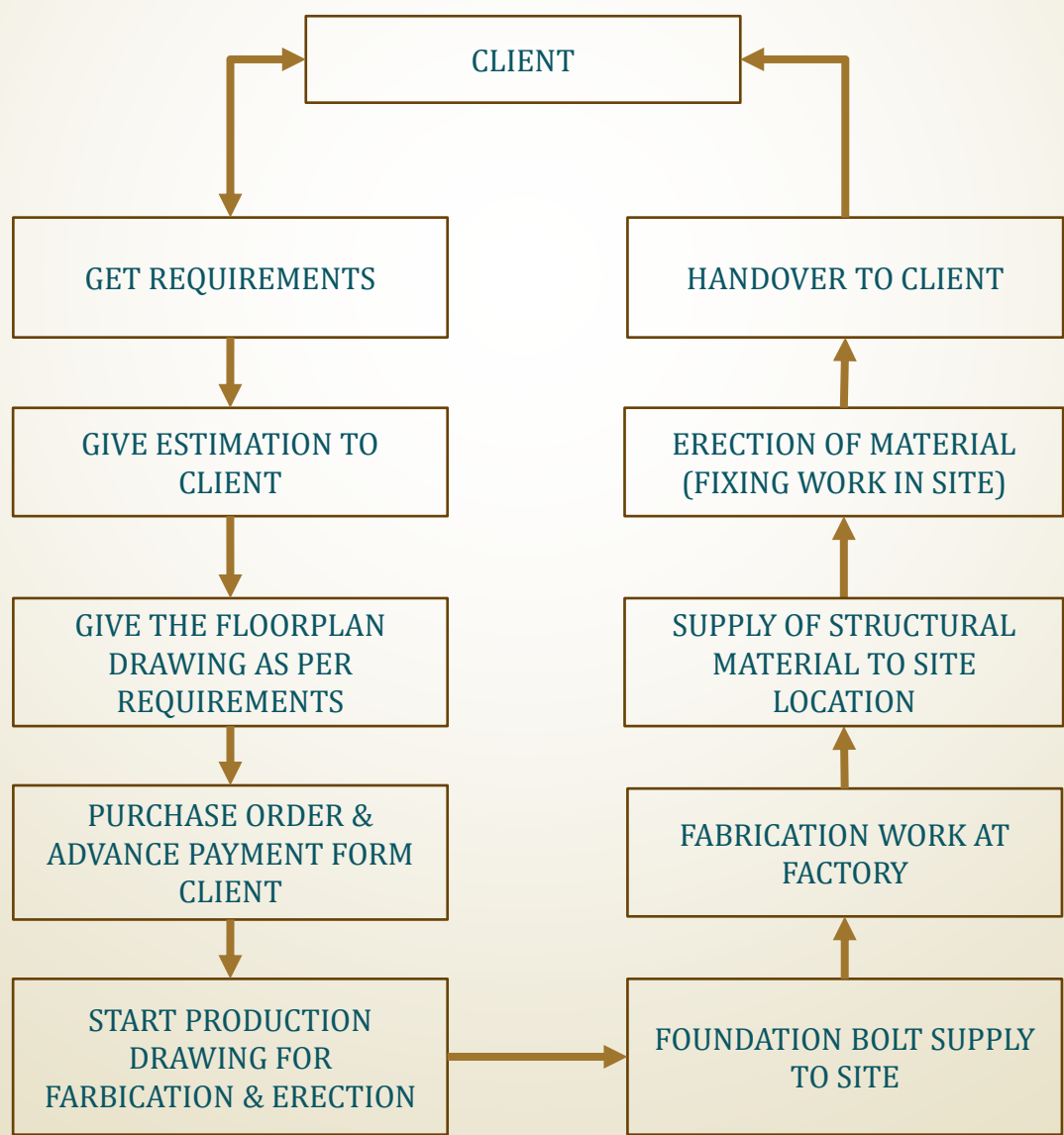
### VISION

We envision a future where Greenstone Builders is synonymous with innovation, quality, and reliability in the construction and steel sectors. Our goal is to become the leading provider of comprehensive civil and steel solutions, recognized for our dedication to excellence and customer satisfaction.

## QUALITY:-

Quality is at the heart of everything we do at Greenstone Builders. Our team of experienced engineers, architects, and technicians works tirelessly to ensure that every product and service we offer meets the highest standards of quality and performance. We utilize cutting-edge technology and stringent quality control measures to deliver reliable and durable solutions.

## PROCESS OF START TO END OF PROJECT:-



# ABOUT PRE-ENGINEERED BUILDINGS

## 1. **Pre-Engineered Buildings (PEB):**

- Custom-designed to meet specific project requirements.
- Efficient, cost-effective, and time-saving solutions for industrial, commercial, and residential applications.

## 2. **Structural Steel:**

- High-quality steel structures designed for durability and performance.
- Ideal for a variety of construction projects, ensuring safety and stability.

## 3. **Steel Processing Center:**

- State-of-the-art facility equipped with advanced machinery for precision processing.
- Comprehensive steel cutting, bending, and assembling services.

## 4. **Steel Building Components:**

- A wide range of essential components such as beams, columns, trusses, and more.
- Manufactured to exact standards, ensuring seamless integration into any project.

The Most Common Applications Of Pre-engineered Buildings Are:



Warehouses



Industrial Buildings



Factories



Sports Complex/ Stadiums



Multi Stored Buildings



Cold Storages



Heavy Industries



Super Markets



Airport Structures



Work Shops



Showrooms



Office Buildings



Distribution Centers

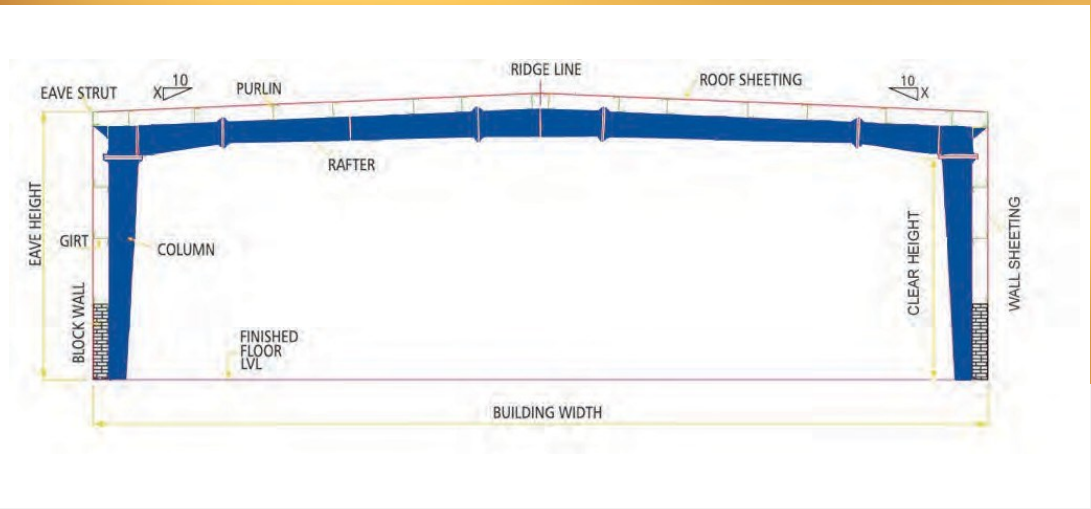


High Rise Structures






PRODUCTS - PRE-ENGINEERED BUILDINGS

PRIMARY FRAME SYSTEM

Primary members are the main steel frames of PEB. The main frames include columns, rafters, crane beams, mezzanine beams and other supporting members. The sections are fabricated with High strength steel plates using the state-of-the-art manufacturing technology.



TYPES OF MAIN FRAMES

FRAME SHAPE	FRAME TYPE	RECOMMENDED SPAN RANGE	REMARKS
	Rigid Frame Clear Span	20-40M	Suitable for ware houses, godowns, work shops industrial buildings having clear span requirement
	Rigid Frame Clear Span-1	30-50M	Suitable for large span building without a valley gutter
	Rigid Frame Clear Span-2	46-60M	For span greater than 48M it is economical to go for RFMS-2 frame than RFMS-1
	Rigid Frame Clear Span-3	50-75M	They are economical to go for RFMS-2 for span greater tha 72M
	Rigid Frame Lean To	6-18M	Suitable for extension of existing buildings
	Single Sloped Building	15-30M	Suitable for small spans with drainage facility to sigle side
	Rigid Frame Multi Gable-1	50-100M	Economical tha RMFS-1 but with valley Gutter
	Rigid Frame Multi Gable-2	80-120M	Economical tha RMFS-1 but with valley Gutter

## SECONDARY MEMBERS

Purlins, Girts, Eave struts, anchor bolts and brace rods are secondary members which are used for the support of roof and wall panels. Purlins are used on roof, girts are used on wall and eave struts are used at intersection of roof and wall panels.

### C&Z Sections

Thickness Range – 1.5 mm to 3.0 mm

Profile Width – 200 mm to 300 mm

Material Finish – Pre- Galvanized (120 GSM/180 GSM/275 GSM)

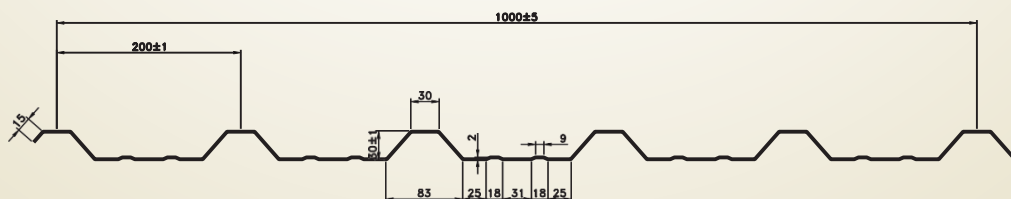
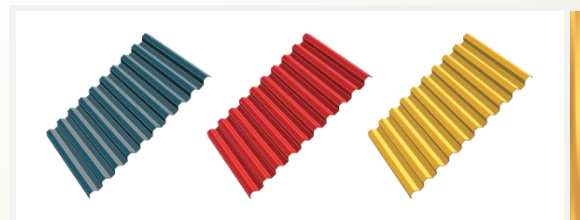


## ROOF & WALL SHEETING

Roof and Wall panels used are profiled steel sheets and are produced from steel coils which are hot dipped galvanized, and with a minimum of AZ150 zinc-aluminum coating on it.

### Roof & Wall Sheeting

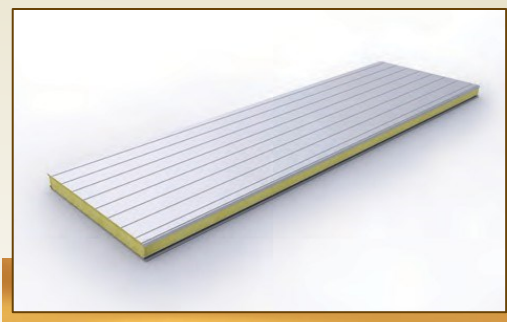
- ★ Tensile Strength – 550 MPA Thickness
- ★ Range – 0.3 mm to 0.8 mm Effective
- ★ Width – 1000 mm



**SHEETING PROFILE**

# SANDWICH PANEL

Greenstone Sandwich panels provide substantial savings on equipment and operation to control the climate of the building from heating or cooling. They are available in thicknesses ranging from 30 mm to 120 mm. They are most durable and can be resistant to any kind of harsh weather conditions.

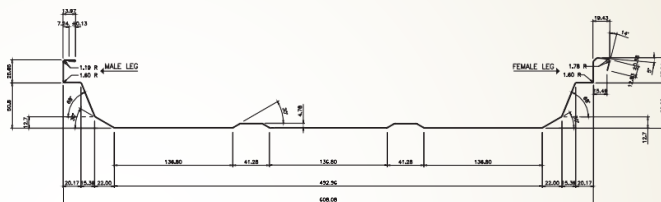


# STANDING SEAM ROOF SYSTEM

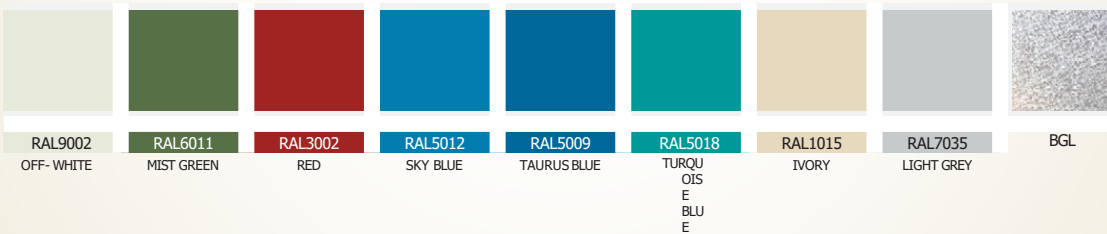
Greenstone double lock standing seam system, eliminates the risk of leakage at fasteners at side and end provides excellent protection in all weather conditions by having one full length panel running end to end. It assures consistent weather tightness with virtually maintenance free performance for many years.

## STANDING SEAM ROOF SHEETING

- ★ Tensile Strength –345 MPA Thickness
- ★ Range –0.5 mm to 0.6 mm Effective
- ★ Width –608.08 mm



# STANDARD SHEETING COLORS

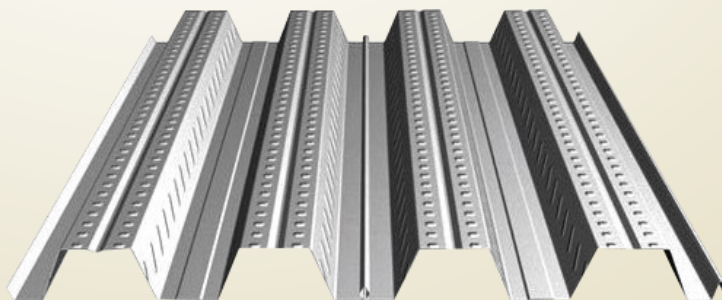


# DECK SHEETING

Greenstone Deck Sheet is used as a composite floor system. The steel deck profile sheet has a ribbed profile with embossment to interlock with concrete slabs, creating a reinforced concrete slab that serves dual purpose of permanent form and positive reinforcement.

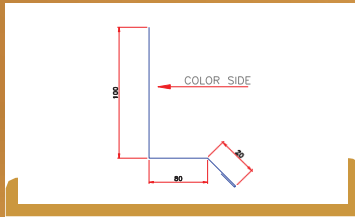
## Deck sheet

- ★ Effective width –972 mm
- ★ Thickness Range – 0.8 mm to 1.2 mm

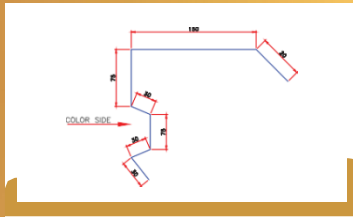


# TRIMS / FLASHINGS

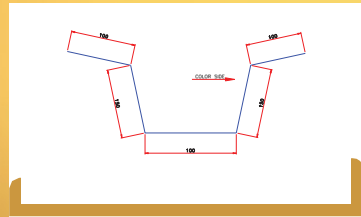
## Standard Flashing



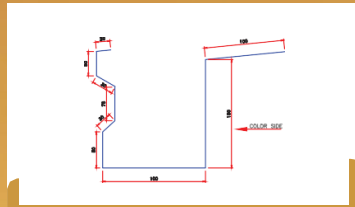
**Drip Flashing / End Wall Flashing**



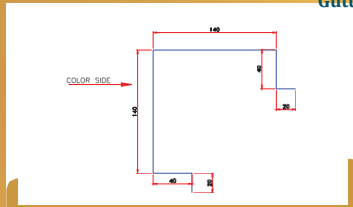
**Gable Flashing / Barge Flashing**



**Valley Gutter**



**Eave Gutter**



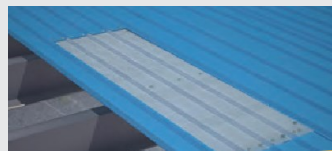
**Corner Flashing**

## PEB ACCESSORIES



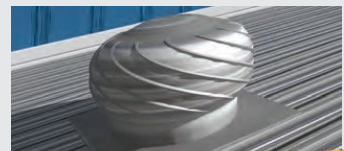
**Fixed Louvers**

Greenstone's standard louvers are 1m(W) X 1m(H) & 2m(W) X 1m(H). Non-standard sizes can also be provided on request.



**Sky Lights & Wall Lights**

Greenstone's standard sky lights/wall lights are 2 mm thick Polycarbonate sheets with size 1.0 M X 3.0 M. Non-standard lengths are available on request.



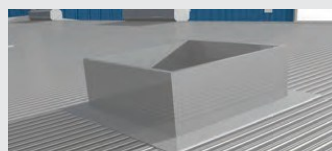
**Turbo Ventilators**

Greenstone's standard comes in two variations either in FRP or Polycarbonate with 600 mm dia.



**Ridge Ventilators**

Greenstone's standard ridge ventilators are of 0.3 M throat width and can be supplied either continuous or in modules of 3.0 M length.



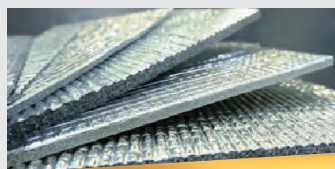
**Roof Curb**

Fiberglass roof curbs will be provided power ventilators at the ridge are required. Roof curbs are also supplied, if requested by customers, to support roof mounted fans or other equipment.



**Sliding Doors**

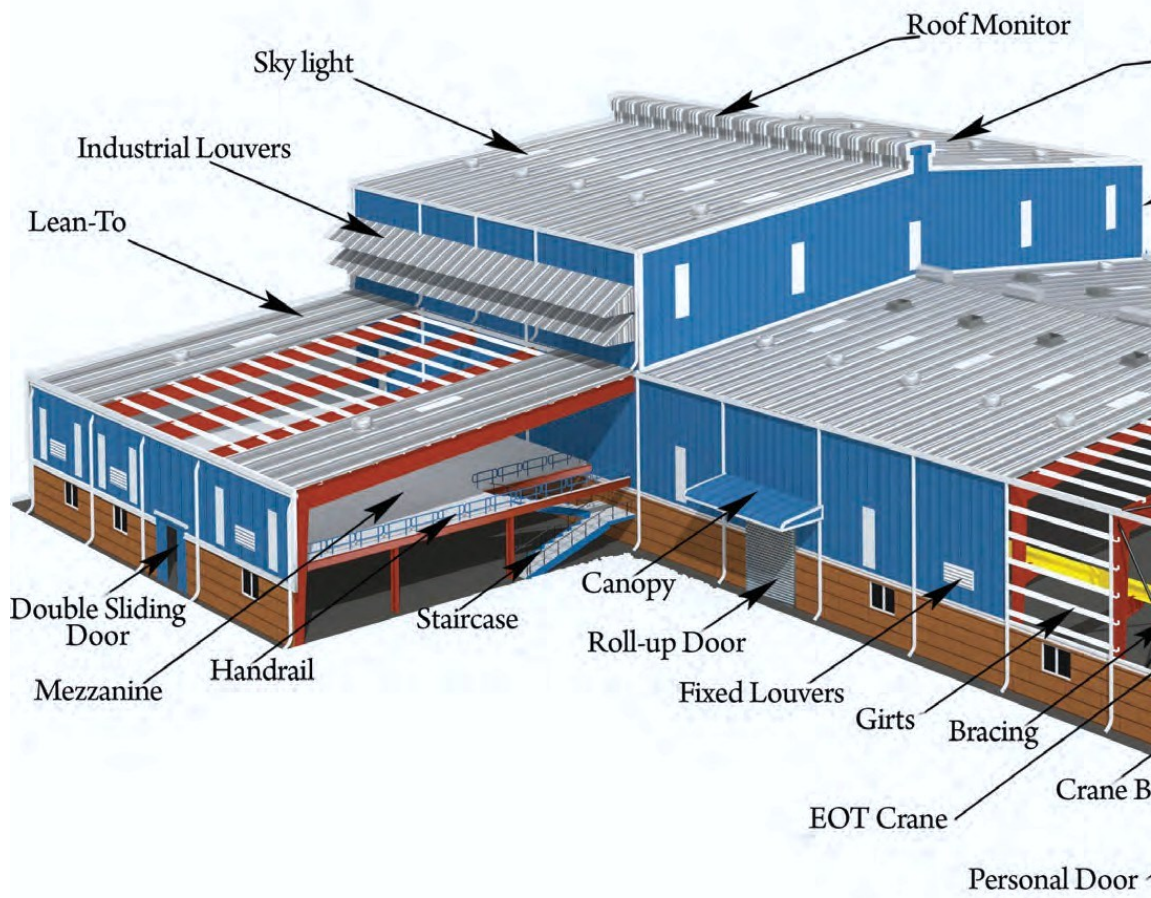
Standard Single or Double sliding doors are of sizes varying from 3.0M X 3.0M to 5.0M X 5.0M. Paramount can also offer any other bigger size if required by the customers.

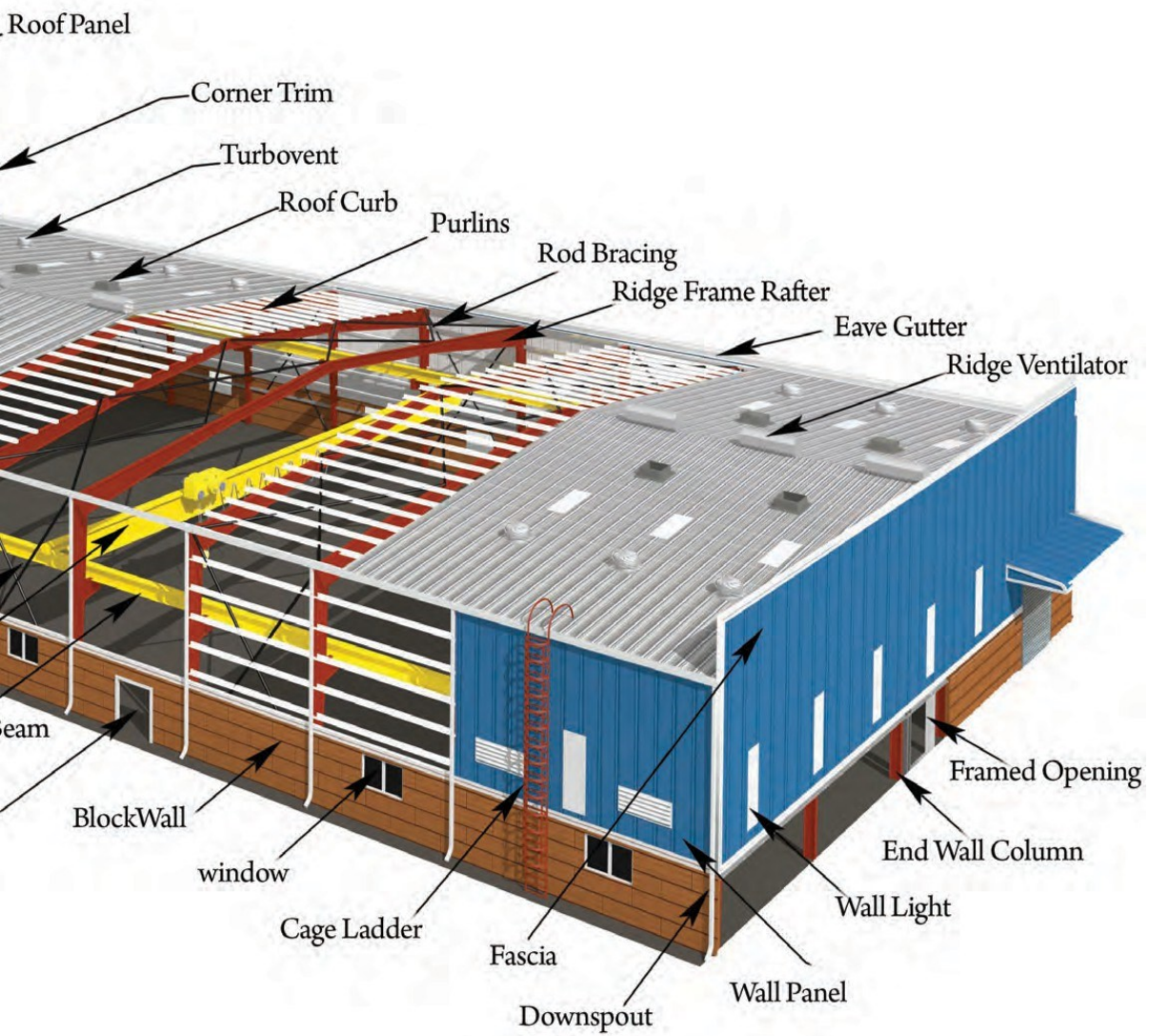


**Insulation**

We supply different type of insulations as mentioned below based on clients requirement

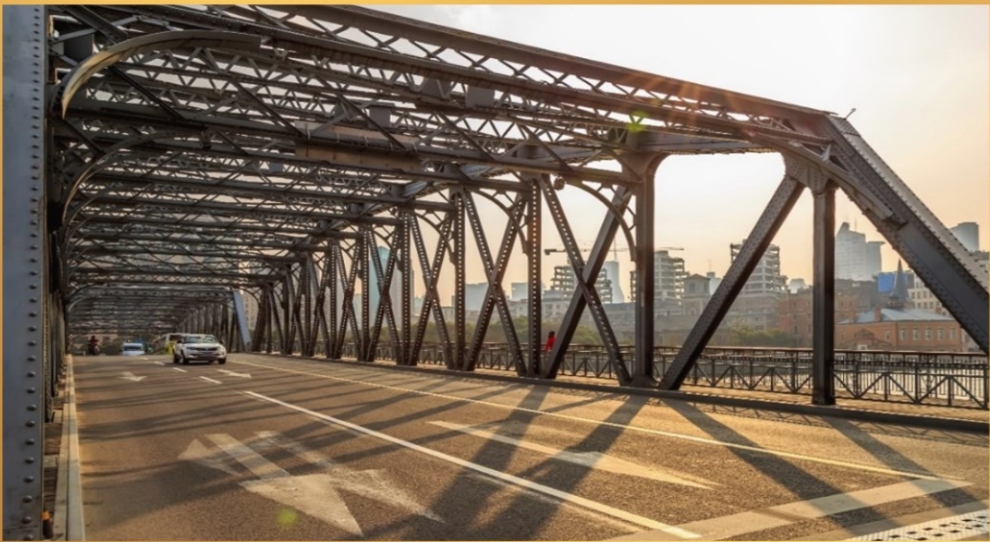
- Fibre glass Insulation
- Rock Wool Insulation
- XLPE Insulation
- Bubble Insulation



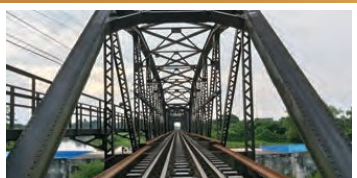


# STRUCTURAL STEEL

Greenstone's team is experienced in design, manufacture and supply all kinds of heavy steel structures using Welded Beams, Hot Rolled sections, Parallel beams, Angles, Beams, Channels, Pipes and Hollow Tubes by using its engineering expertise to design the most optimized steel structure with software such as STAAD PRO, AUTOCAD, BROCAD, ETABS, AUTODESK REVIT & ADVANCE STEEL AND TEKLA STRUCTURES.



APPLICATIONS OF STRUCTURAL STEEL



Railway Bridges/Girders



Cement Plants/ Steel Plants/ Power plants



Transmission/Telecom Towers



Heavy Industries



Oil & Gas refineries



Petrochemical Plants



High Rise Buildings



Airport Terminal Structures



Shopping Complex



Stadiums

## PROJECTS



**M/SARM Motors At Coorg Karnataka - 24000 SFT Associate with M/s Sivarams Builder**



**M/S Cauvery Motors At Shivamogga Karnataka - 8000 SFT Associate with M/s Sivarams Builder**



**Jockey Production unit - M/S Cauvery Motors At Hassan Karnataka - 35,246 SFT  
Associate with M/s Sivarams Builder**



**TATAMOTORS–M/S Cauvery Motors At Bangalore Karnataka - 20032 SFT Associate with M/s Sivarams Builder**



**KIA MOTORS–M/STAPPASI Motors At Bangalore Karnataka - 19040 SFT Associate with M/s Sivarams Builder**



**HONDA–M/SNIDESSH Motors At Bangalore Karnataka - 9050 SFT Associate with M/s Sivarams Builder**

WORK DONE PHOTO'S









## CIVIL WORK PHOTO'S





# **GREENSTONE BUILDER & PROJECTS**

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